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**Declaration under Rule 4.17:**

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

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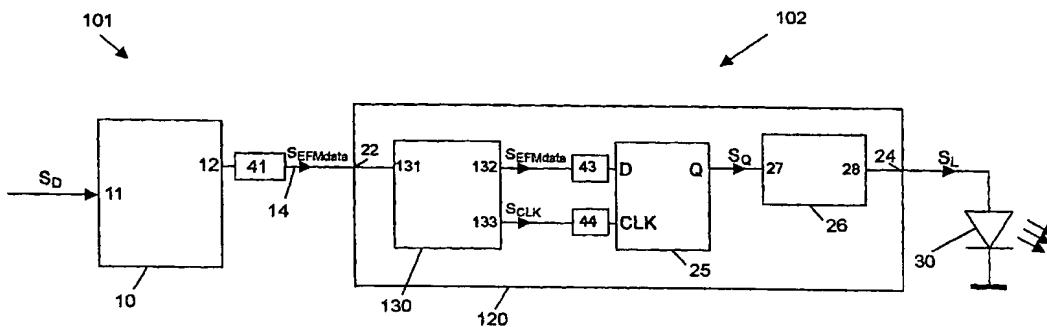
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(54) Title: OPTICAL RECORDING APPARATUS



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**(57) Abstract:** An optical recording apparatus (101; 201) is described, for writing information to an optical storage medium such as for instance an optical disc, the apparatus comprising a laser diode (30), an encoder device (10; 210), and a laser driver circuit (120; 220) which comprises a flipflop device (25), a write strategy generator and a laser current driver (26). A single encoded signal ( $S_{EFMdata}$ ;  $S_{MUX}$ ) containing data information and clock information is transferred over one common transfer path (14) from the encoder (10; 210) to the driver circuit (120; 220), which further comprises signal generator means (130; 230) designed to generate a digital data signal ( $S_{EFMdata}$ ) and a digital clock signal ( $S_{CLK}$ ) from the single encoded signal received from the encoder.



*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*